

Getting More from Legal and Other Requirements

July 20, 2016

SOLID WASTE Environmental
Management
System

Committed to Continuous Improvement



Legal and Other Requirements Refresher

- ① Identify and Document Environmental Legal Requirements for Operations and Facilities, Including Relevant:
 - Laws
 - Regulations
 - Permits
 - Worker Health and Safety Regulations
- ① Establish a Process for Tracking Changes to Regulatory and Other Requirements

Why is this important?

What's Working and What Isn't?

- Identify and document

- Begin with template list (state and federal)
- Customize to your facilities

- Maintain compliance

- Complete tasks to meet requirements

- Update

- Track changes in requirements



Easy

Harder

Hardest

Example Tools for Legal and Other

⦿ Documenting

- Spreadsheets

⦿ Maintain compliance, track tasks

- Compliance calendar tools
- Intelix software

⦿ Updating

- Networking, ISOSWO
- DNR
- Free email listserves (state, federal, non-profit)
- Consultant engineer
- Legal services

DNR Example List



Title	Regulatory Agency	Legislation Last Changed	Link
IAC 567 Chapter 101 Solid Waste Comprehensive Planning	IDNR		67__5d/1000___chapter%20100%20scope%20of000.xml?f=templates\$fn=default.htm
IAC 567 Chapter 102 Permits	IDNR		67__5d/1000___chapter%20100%20scope%20of000.xml?f=templates\$fn=default.htm
IAC 567 Chapter 104 Sanitary Disposal Projects with Processing Facilities	IDNR		67__5d/1000___chapter%20100%20scope%20of000.xml?f=templates\$fn=default.htm
IAC 567 Chapter 105 Organic Materials Composting Facilities	IDNR		67__5d/1000___chapter%20100%20scope%20of000.xml?f=templates\$fn=default.htm
IAC 567 Chapter 106 Citizen Convenience Centers and Transfer Stations	IDNR		67__5d/1000___chapter%20100%20scope%20of000.xml?f=templates\$fn=default.htm
IAC 567 Chapter 108 Beneficial Use Determinations	IDNR		67__5d/1000___chapter%20100%20scope%20of000.xml?f=templates\$fn=default.htm
IAC 567 Chapter 109 Special Waste Authorizations	IDNR		67__5d/1000___chapter%20100%20scope%20of000.xml?f=templates\$fn=default.htm
IAC 567 Chapter 110 Hydrogeologic and Investigation and Monitoring Requirements	IDNR		67__5d/1000___chapter%20100%20scope%20of000.xml?f=templates\$fn=default.htm
IAC 567 Chapter 111 Environmental Management System Annual Reports	IDNR		67__5d/1000___chapter%20100%20scope%20of000.xml?f=templates\$fn=default.htm
IAC 567 Chapter 113 Sanitary Landfills: Municipal Solid Waste	IDNR		67__5d/1000___chapter%20100%20scope%20of000.xml?f=templates\$fn=default.htm
IAC 567 Chapter 114 Sanitary Landfills: Construction and Demolition Waste	IDNR		67__5d/1000___chapter%20100%20scope%20of000.xml?f=templates\$fn=default.htm
IAC 567 Chapter 118 Discarded Appliance Demanufacturing	IDNR		67__5d/1000___chapter%20100%20scope%20of000.xml?f=templates\$fn=default.htm
IAC 567 Chapter 214 Household Hazardous Materials Program	IDNR		67__5d/2140___chapter%20214%20household%20s\$fn=default.htm
IAC 567 Chapter 100, Definitions, Scope of Title - (Forms, Rules of Practice)	IDNR		67__5d/1000___chapter%20100%20scope%20of000.xml?f=templates\$fn=default.htm
Title XI Chapter 455D Waste Volume Reduction and Recycling	IDNR		http://search.legis.state.ia.us/NXT/gateway.dll/i0%20455b]\$x=Advanced#LPHit1





South Central Iowa Solid Waste Agency Environmental Compliance Calendar

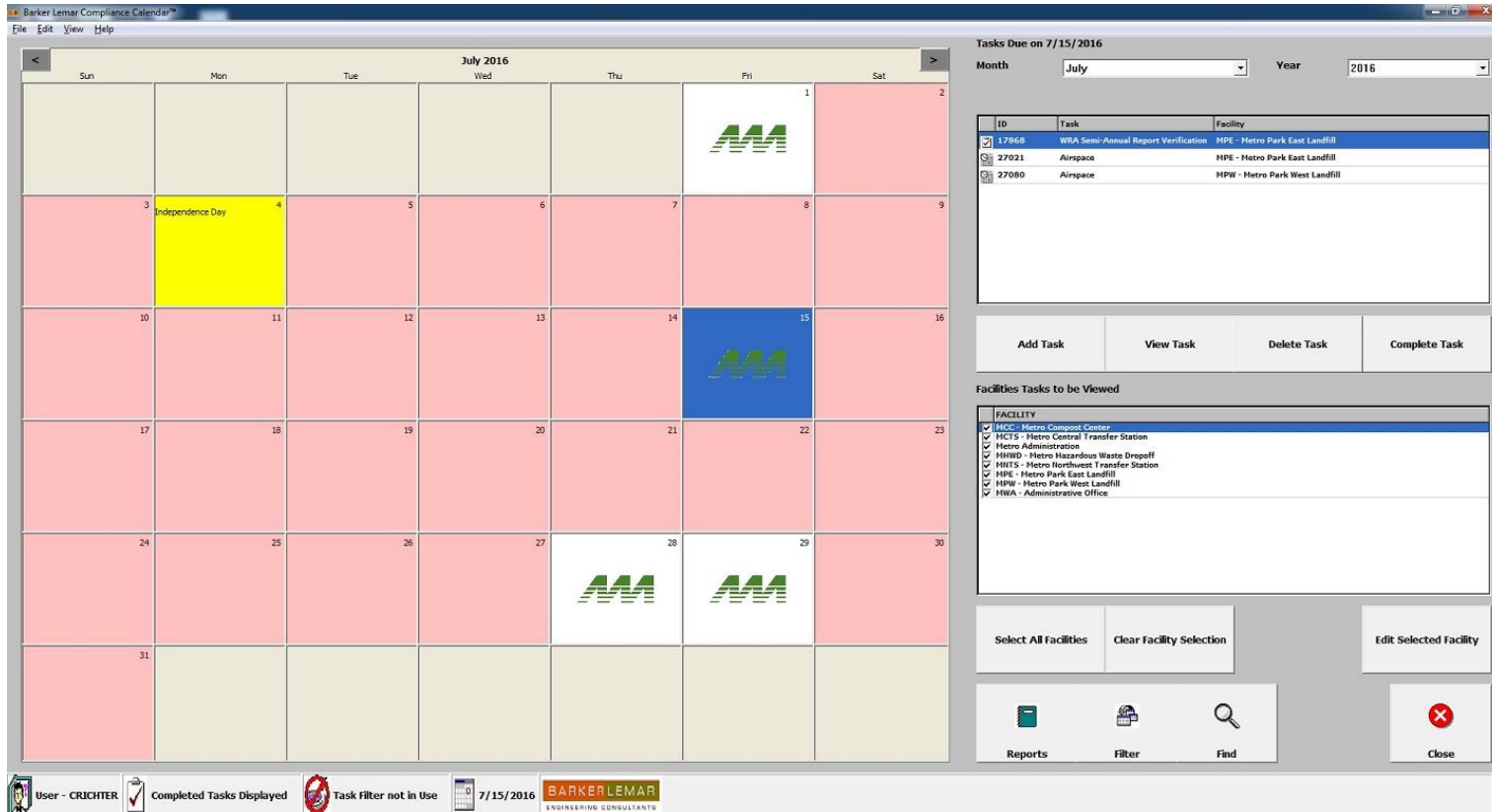


Today's Date is Thursday, July 14, 2016

Compliance Action	Compliance Due Date	Days Left
Groundwater		
First Half 2017 Semi-Annual Groundwater Monitoring	Friday, June 30, 2017	351
Second Half 2016 Semi-Annual Groundwater Monitoring	Saturday, December 31, 2016	170
First Half 2017 Semi-Annual Groundwater Levels Monitoring	Friday, June 30, 2017	351
Second Half 2016 Semi-Annual Groundwater Levels Monitoring	Saturday, December 31, 2016	170
Annual Groundwater Monitoring Report	Tuesday, January 31, 2017	201
Air Quality		
First Quarter 2017 Perimeter LFG (Methane) Monitoring	Friday, March 31, 2017	260
Second Quarter 2017 Perimeter LFG (Methane) Monitoring	Friday, June 30, 2017	351
Third Quarter 2016 Perimeter LFG (Methane) Monitoring	Friday, September 30, 2016	78
Fourth Quarter 2016 Perimeter LFG (Methane) Monitoring	Saturday, December 31, 2016	170
2017 GHG Reporting (e-GGRT)	Friday, March 31, 2017	260
2017 Annual Methane Monitoring Report	Tuesday, January 31, 2017	201
Leachate		
Monthly Leachate Volumes & Head Levels	Sunday, July 31, 2016	17
Monthly Leachate Contaminants Testing	Sunday, July 31, 2016	17



Barker Lemar Compliance Calendar



Barker Lemar Compliance Calendar™

File Edit View Help

July 2016

Sun Mon Tue Wed Thu Fri Sat

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Independence Day

Tasks Due on 7/15/2016

Month: July Year: 2016

ID	Task	Facility
17868	WRA Semi-Annual Report Verification	MPE - Metro Park East Landfill
27021	Airspace	MPE - Metro Park East Landfill
27080	Airspace	MPW - Metro Park West Landfill

Add Task View Task Delete Task Complete Task

Facilities Tasks to be Viewed

FACILITY
<input checked="" type="checkbox"/> MCOB - Metro Campus Center
<input checked="" type="checkbox"/> MCTS - Metro Central Transfer Station
<input checked="" type="checkbox"/> Metro Administration
<input checked="" type="checkbox"/> MHWD - Metro Hazardous Waste Dropoff
<input checked="" type="checkbox"/> MHWS - Metro Northwest Transfer Station
<input checked="" type="checkbox"/> MPE - Metro Park East Landfill
<input checked="" type="checkbox"/> MPW - Metro Park West Landfill
<input checked="" type="checkbox"/> MWA - Administrative Office

Select All Facilities Clear Facility Selection Edit Selected Facility

Reports Filter Find Close

User - CRICHTER Completed Tasks Displayed Task Filter not in Use 7/15/2016 BARKERLEMAR ENGINEERING CONSULTANTS

Barker Lemar Compliance Calendar

- ② Set up tasks, due dates, etc.
- ③ Assign responsibility
- ④ Generate email reminders
- ⑤ Run reports on data

View Task

Task ID: 17868

SUBMITTAL INFORMATION

RESPONSIBLE INDIVIDUALS

BACKGROUND INFORMATION

GENERAL INFORMATION

TASK FREQUENCY

NOTIFICATIONS

*** Task Name**

WRA Semi-Annual Report Verification

*** Group**

Leachate

[Change Task](#)

*** Facility**

MPE - Metro Park East Landfill

*** Due Date**

7/15/2016

[Change Dates](#)

Task Cost (Per Occurrence)

\$0.00

*** Required By**

Facility Permit

Task Comments

Semi annual reporting to WRA of gallons of leachate sent to them from MPE from the last 6 months. This is done by totaling up the number of pounds reported from MPE and then converting to gallons. There is a spreadsheet to do so in the Compliance Folder in the Share Drive. In addition, if the leachate has been sampled in the last 6 months, that is to be attached with the report.

The site engineer receives a letter from WRA when this is due.

Save

Cancel

From: compliance@barkerleamar.com [mailto:compliance@barkerleamar.com]
Sent: Thursday, July 14, 2016 8:28 AM
To: Stephanie Stolz <ssolz@barkerleamar.com>
Subject: MPE - Metro Park East Landfill - Spring Sampling Notification - Phase II (Notice 2)

Task ID: 22344


Group: Groundwater
Task: Spring Sampling Notification - Phase II
Task Due Date: 7/29/2016
Facility: MPE - Metro Park East Landfill

Task Type: Series (Annual)

Last Task Date: 7/31/2114

People Being Notified:
Naganuma, Yuta
Ohrt, Nathan
Stolz, Stephanie

Internal Individuals Responsible For This Task:
None




SUMMARY OF TASKS BY DUE DATES

7/20/16
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ID	Task Name	Date	Creator	Required by	Completion Required	Task Comments
MCC: Metro Compact Center Permit No. - none						
Don Motley, IA						
7/20/16						
Annual Compensating Liability Report (Shared Knowledge)						
<input type="checkbox"/>	6.1.1.1 Annual Compensating Liability Report	7/20/16	ingram	Ingenuity	Yes	Annual Compensating Liability Report, Submit to DMR (240 Practice 1001), July 1. Also file each area due on July 20/16.
Industry Inspection for Right of Encroachment - Submit (Permits)						
<input type="checkbox"/>	6.1.1.1.1 Industry Inspection for Right of Encroachment - Submit	7/20/16	ingram	Ingenuity	Yes	See Review Section for the Report and Instructions from Traffic, Sanitation, Department of Agriculture and Land Resources, about critical items made for last year. (240 Practice 1001, 1002, 1003, 1004) for more information for both H&M and MCC.
Ingenuity Chapter 20, Section 1016, Code of Law, Sanitation, Chapter 27						
SPCC Monthly Inspection (SPCC)						
<input type="checkbox"/>	6.1.1.1.1 SPCC Monthly Inspection	7/20/16	ingram	Ingenuity	Yes	Appendix C of May 2015 SPCC Area - Construction Division Design Review (see section) - Status of last month's inspection form - digested monthly inspection form
6/20/16						
SPCC's Permit (Sharepoint)						
<input type="checkbox"/>	6.1.1.1 SPCC's Permit	10/20/16	Taylor, Thom	Yes	Notification REQ 473, Current permit area 10/20	
SPCC Monthly Inspection (SPCC)						
<input type="checkbox"/>	6.1.1.1.1 SPCC Monthly Inspection	10/20/16	ingram	Ingenuity	Yes	Appendix C of May 2015 SPCC Area - Construction Division Design Review (see section) - Status of last month's inspection form - digested monthly inspection form

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POWERLENS


Iowa DNR Email Updates

Subscription Topics

☐ Iowa Department of Natural Resources

☐ News

☐ Outdoor News 


☐ Environmental News 


☐ General Press Releases


☐ Fishing & Hunting


☐ Outdoors & Conservation


☐ Business, Industry & Agriculture


☐ New Public Construction Project Announcements 


☐ Financial & Business Assistance 

☐ Air Quality Technical Information 

☒ Environmental Regulatory Update 

☐ Water Supply News 

☐ Wastewater News 

☐ Animal Feeding Operations 

<http://www.iowadnr.gov/About-DNR/Social-Media-Press-Room>



Local Government Environmental Assistance Network

LGEAN e-Mail Update

LGEAN.ORG

ICMA



Wednesday, July 13, 2016

LGEAN Update is a biweekly newsletter published by the International City/County Management Association. Its purpose is to keep you up to date on the latest environmental information of interest to local governments.

EPA UPDATE

The 2016 Urban Waters National Training Workshop, sponsored by the U.S. Environmental Protection Agency and on behalf of the Urban Waters Federal Partnership (UWFP), will convene July 26 – 28, 2016 in Arlington, Virginia. The UWFP seeks to reconnect urban communities, particularly those that are overburdened or economically distressed, with their waterways to become stewards for clean urban waters. It is supported by 14 Federal agencies and more than 28 non-governmental organization partners working in 19 designated locations. Through the Partnership, communities gain economic, environmental, and social benefits, and collaborate with Federal agencies, state and local agencies, and community-led efforts to achieve common goals. For more information, click [here](#).

FUNDING OPPORTUNITIES

Funding Opportunity: Clean Energy Manufacturing Innovation Institute for Reducing Embodied-energy of Materials and Decreasing Emissions (REMADE) in Manufacturing

The Office of Energy Efficiency and Renewable Energy (EERE), within the U.S. Department of Energy (DOE), invests in cutting-edge research, development, and demonstration (RD&D) activities focused on sustainable transportation, renewable



Consultant Engineer

Current Services

- Verify compliance
- Changes to operations– ID new requirements
- May share knowledge of upcoming reg changes

Potential New Services

- Quarterly email update on applicable regulatory changes
- Provide a report on “risks and opportunities”

Legal Services

Different Levels of Service

- 🕒 Newsletters
- 🕒 Regulatory updates via email
- 🕒 Searchable databases

ENVIRONMENTAL COMPLIANCE

**EPA
Region
9**

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Proposition 65 amended

CalEPA's Office of Administrative Law has approved an amendment to the state's Proposition 65. The amendment to 27 CCR 25903, Appendix A was effective on January 1, 2015. Appendix A is a summary of Proposition 65, its requirements, exemptions, an explanation of how Proposition 65 is enforced, and a telephone number where a recipient may obtain further information.

The amendment provides an update to the existing regulatory summary of Proposition 65 that must be included as an attachment to all notices of violation (NOVs) that are served to alleged violators of Proposition 65. It also reconciles the Office of Environmental Health Hazard Assessment's (OEHHA) regulations with a 2013 amendment to Proposition 65.

Proposition 65 requires businesses to provide a warning when they knowingly cause an exposure to a chemical listed as known to cause cancer or reproductive toxicity. Proposition 65 also prohibits persons in the course of doing business from knowingly discharging or releasing a chemical known to the state to cause cancer or reproductive toxicity into water or onto or into land where it passes or probably will pass into a source of drinking water.

Before the amendment, the attachment of Appendix A to the NOV was also required, but this amendment adds additional details to the Appendix A summary.

INFO: Contact Monet Vela at monet@oehha.ca.gov or by phone at 916-323-2517. ■

Compliance tip: Storing ethanol in your tank?

By Amanda Czepiel, JD, Managing Editor—Environmental

At the first annual New England UST and Shop-Fabricated Storage Tank Conference in Worcester, Massachusetts, sponsored by the National Institute for Storage Tank Management (NISTM), Marshall Mott-Smith, President of the Mott-Smith Consulting Group, had a clear message: Putting alternative fuels in storage tanks is risky business, but because biofuels are here to stay, storage tank owners and operators need to create solutions for the corrosion that results.

However, those assumptions are incorrect, according to Mott-Smith. In reality, ethanol does not burn cleaner and actually leads to an energy drop-off and competes with food crops, which in turn increases food costs. But for the oil and gas industry and those who manage tanks, ethanol is an even bigger management problem because it is incompatible with fiberglass tanks; it loves to eat soft metals, rubber, and plastics; and has a scouring effect on tank systems that causes corrosion.

These characteristics result in more frequent dispenser filter changes and the

Q&A / Idea Sharing

